1. Introduction

NOTE:
This Quick Deploy Guide is a general reference to give the installer an overview of the steps required to make this system operational. The Product Manual is the definitive source for detailed installation instructions and information.

For best results, update to the latest data logger operating system and version of Device Configuration Utility.

NOTE:
CR3000, CR1000 and CR800-series users must refer to the CELL200 Product Manual. This Quick Deploy Guide does not apply.

You should have received two Quick Deploy Guides with your CELL200-series module. The one you follow will depend on whether your module was configured with a private dynamic or public static IP address.

The Provisioning Report received with your Cellular Data Service shows whether the module was configured with a private dynamic or public static IP address. See FIGURE 1-1 (p. 1) for an example of a Campbell Scientific Provisioning Report. Other cellular providers should provide similar information.

USE THIS GUIDE if your module has a public static IP address.

2. Campbell Scientific cellular data service

Campbell Scientific can provide subscriptions to cellular service through Verizon, AT&T, T-Mobile, Vodafone, Telstra, and over 600 other providers worldwide. When this cellular service is purchased with the module, the module will come pre-provisioned with the required SIM card and APN. If you have already purchased the CELL200 series, call Campbell Scientific to set up service.
3. Install the SIM card

**NOTE:**
If you purchased cellular service from Campbell Scientific with the module, it will come with the SIM (Subscriber Identity Module) card already installed.

1. Remove the SIM card cover.
2. Note the location of the notched corner for correct alignment. The gold contact points of the SIM face down when inserting the SIM card as shown in FIGURE 3-1 (p. 2). **Gently** slide the card into the slot until it stops and locks into place. To eject the SIM card, press it in slightly and release.
3. Replace the SIM card cover.

**FIGURE 3-1. SIM card installation**

4. Modules using a public static IP

4.1 Set up hardware

1. Connect the Cellular antenna.
2. Connect your data logger to the CELL200-series module RS-232 or CS I/O port.
3. If not connecting through CS I/O, provide power to the CELL200 series.

4.2 Configure data logger

1. Connect to your data logger by using Device Configuration Utility.
2. On the PPP tab, set Config/Port Used to CS I/O SDC8 or RS-232, depending on how you are connected to the data logger.
3. Verify the Modem Dial String setting is blank.
4. If connecting through RS-232, on the Comport Settings tab, set RS232 BaudRate to 115200 Fixed.
5. On the Cellular tab, enter the APN provided by your cellular provider.
6. Click Apply to save the changes.

4.3 Set up LoggerNet

1. Select Add Root > IPPort
2. Select PakBusPort
3. Add a data logger to the PakBusPort
4. Select the IPPort in the Network Map. Enter the CELL200 series IP address and port number. The IP address and port number are input in the Internet IP Address field separated by a colon. Preceding zeros are not entered in the Internet IP Address (for example, 070.218.074.247 is entered as 70.218.74.247). The default port number is 6785.
5. For PakBus data loggers, leave the default settings for the PakBusPort. PakBus Port Always Open should not be checked. If used, enter the TCP Password.
6. For PakBus data loggers, select the data logger in the Network Map and set the PakBus Address to match that of the data logger (default address in the data logger is 1). Click Apply to save the changes.

4.4 Test the connection

Use the Connect screen to test the connection. Click on the appropriate station and click Connect to initiate a call to the data logger.

TIP:
The connection time is subject to many external factors. It is often less than 30 seconds but could be up to fifteen minutes. Be patient.

If the call is successful, the connectors at the bottom of the screen will come together and clock information from the data logger will be displayed in the Station Date/Time field.